

## Calendar

### Friday, July 22

**3:30 p.m.** DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

**4:00 p.m.** Joint Experimental Theoretical Physics Seminar - 1 West

Speaker: R. Demina, University of Rochester

Title: Top Quark Mass Measurement from DZero

### Monday, July 25

PARTICLE ASTROPHYSICS SEMINARS WILL RESUME IN THE FALL

**3:30 p.m.** DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

**4:00 p.m.** All Experimenters' Meeting - Curia II

## Weather



Mostly Sunny **93°/66°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secon Level 3](#)

## Wilson Hall Cafe

## TeV Particle Astrophysics: The Workshop in Review



Chris Quigg presents Soebur Razzaque of Penn State University with first prize at Thursday's poster session.

Last Wednesday, Fermilab Director Pier Oddone welcomed attendees of the TeV Particle Astrophysics Workshop with a little known fact about himself. "I have had a soft-spot for particle astrophysics all along," he said. "I think this connection is very deep...it enhances our field." Following Oddone, theoretical astrophysicist and workshop organizer Gianfranco Bertone outlined the main topics of the three-day conference. Covering everything from neutrino detection, to dark matter research, to discussion of a unified theory, the workshop would be a full three days.

Simon Swordy of the University of Chicago spoke Wednesday morning on "The New Generation of Imaging Air Cherenkov Gamma-Ray Telescopes," which are designed to detect the secondary "Cherenkov light" that results when gamma-rays interact with our opaque atmosphere. Comparing ray-height telescopes like the new GLAST to

## Drug Sniffing Dogs Perform At Users' Center Tonight



One of the many incarnations of Drug Sniffing Dogs, the CDF band, will perform at the Users' Center tonight at 7:30.

Drug Sniffing Dogs, the CDF band, will play at the Users' Center on Friday, July 22. The show will begin at 7:30 p.m. and will include renditions of approximately 35 songs spanning the last 40 years of rock 'n' roll.

"The band has been playing in one form or another since 1985," said Steve Hahn, who leads the band, playing guitar and keyboards. "We've been around longer than most CDF collaborators!" Currently, the band includes Hahn, guitarists Randy Thurman and Greg Field (who doubles as a vocalist), bassists Larry Nodulman and Aron Soha, Andy Hocker and Ulrich Husemann on saxophone, vocalist Ben Kilminster, and drummer Todd Keaffaber. Unfortunately, Keaffaber is leaving for Portland, and this will be his final concert with DSD. The band is currently looking for a new drummer.

DSD is often booked for lab events, and makes regular appearances at CDF collaboration meetings. "Every time we perform, we play different songs," Kilminster said. "We've probably gone through 500 or 600 songs over the years."

## Friday, July 22

Old Fashioned Ham and Bean Soup

Black & Blue Cheeseburger \$4.85

Chicken Wellington \$4.25

Stuffed Manicotti \$3.75

Roasted Veggie & Provolone Panini  
\$4.85

Assorted Pizza Slices \$3.00

Vegetarian Stir Fry \$4.85

The Wilson Hall Cafe now accepts Visa,  
Master Card, Discover and American  
Express at Cash Register #1.

[Wilson Hall Cafe Menu](#)

[Chez Leon](#) is now open. Call x4512 to  
make your reservation.

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ground-based technologies, Swordy explained how using multiple telescopes increases angular resolution, energy resolution and stability, and decreases the background, virtually eliminating muons. "By 2004, we had identified 12 gamma-ray sources," said Swordy. "Now we believe the number to be closer to one hundred. With increasing technologies we may soon measure 1000."

A poster session on Thursday showcased work by graduate students and post-docs working in various areas of the field. The winning poster by Soebur Razzaque of the Department of Astronomy & Astrophysics at Penn State University was titled "High Energy Neutrinos from Relativistic Jets in Gamma-Ray Bursts and Core Collapse Supernovae."

Razzaque received a copy of Pier Auger's book "What Are Cosmic Rays?" published by the University of Chicago Press in 1945. A translation of "Rayons Cosmiques," published in 1941 by PUF in Paris, the book was dedicated to Razzaque by Rocky Kolb, Pier Oddone, Chris Quigg and Mike Witherell.

-Amelia Greene

### In the News

## From *Daily Herald*, July 21, 2005

### St. Charles inventor who patented 100 products dies

By Gala M. Pierce

Physicist Paul Mantsch described Finley Warren Markley as a real wizard back in the days they worked together at Fermilab in Batavia.

"He was a scientist, he was an engineer and in his private life, he was an artist — he was a Renaissance man," said

In addition to DSD's extensive cover repertoire, Kilminster said that "we've got a few songs where I change the lyrics to make them relevant to particle physicists, but we usually only play those by request." Kilminster also recommended that audience members "bring your dancing shoes and your new tattoos" and get ready to rock.

-Elizabeth Wade

### Announcements

#### Children's Treasure Hunt Party

This two hour event for children 5 to 12 years of age will take place on August 5 from 9 AM until 11 AM at the Village Pool. It offers an introduction to the safe use of snorkeling gear and the aquatic environment. A \$20 registration fee covers an introduction to snorkeling basics, treasure hunt in an artificial reef environment, pirate treasure to keep, use of snorkel gear and a personal snorkel to keep. Children must know how to swim and be comfortable in the water. [Register here](#) by July 29.

#### SciTech Exhibit on Bats

The SciTech Museum in downtown Aurora presents the traveling exhibit "Masters of the Night: The True Story of the Bats." Learn more about these flying mammals and the hundreds of species that exist. The exhibit runs through September 11. Admission is \$7 and includes the [Outdoor Science Park](#). To obtain a \$1-off coupon, visit the SciTech Museum's [website](#).

#### New Classifieds on Fermilab Today

New [classified ads](#) have been posted on Fermilab Today.

### [Upcoming Activities](#)

Mantsch, Fermilab's project manager for the Pierre Auger Observatory, under construction in Argentina to study cosmic rays.

[Read more](#)